

13142 USPTO  
020604Attorney Docket No. SAM-0519  
PATENT31354 USPTO  
10/773901

020604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventors: Woo-yeong Cho  
Kyung-hee Kim

For (title): DEVICE AND METHOD FOR  
PULSE WIDTH CONTROL IN A  
PHASE CHANGE MEMORY DEVICE

1. **Type of Application** This new application is for a(n)

- Original (nonprovisional)
- Design
- Plant
- Divisional.
- Continuation.
- Continuation-in-part (C-I-P).

2. **Benefit of Prior Application(s)**

- The new application being transmitted claims the benefit of prior Korean application no. 03-35564. See Item 7.

3. **Papers Enclosed**

14 Pages of specification

7 Pages of claims

1 Page of Abstract

14 Sheets of drawings

formal

informal

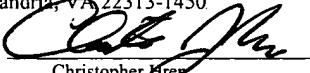
       Page of Cover Sheet

- The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).

**CERTIFICATE OF MAILING**  
**37 C.F.R. § 1.10**

"Express Mail" Mailing Label Number EV322657358US  
I hereby certify that this paper or fee is being deposited with the  
United States Postal Service "Express Mail Post Office to  
Addressee" service under 37 CFR 1.10 on the date indicated above  
and is addressed to Mail Stop Patent Application Commissioner for  
Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Date: 26-04

  
Christopher Hren

  
CHRISTOPHER HREN

Print Name

4. Additional papers enclosed

- Preliminary Amendment
- Information Disclosure Statement (37 C.F.R. 1.98)
- Form PTO-1449 (PTO/SB/08A and 08B)
- Copies of cited references
- Declaration of Biological Deposit
- Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- Special Comments
- Other: Return Postcard.

5. Declaration or oath

- Enclosed
  - Unexecuted
  - Executed by
    - inventors
    - legal representative of inventor(s).  
37 CFR 1.42 or 1.43.
    - joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
    - This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 12 below for fee.
  - Not Enclosed
- Application is made by a person authorized under 37 C.F.R. 1.41 (c) on behalf of all the above named inventor(s).
  - Showing that the filing is authorized.

6. Assignment

- An assignment of the invention to Samsung Electronics Co., Ltd.
  - is attached. A separate  "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or  FORM PTO 1595 is also attached.
  - will follow.

7. Certified Copy

Certified copy(ies) of application(s)

Korea	03-35564	June 3, 2003
Country	Appln. no.	Filed
<hr/>		
Country	Appln. no.	Filed
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Country	Appln. no.	Filed

from which priority is claimed

is (are) attached.  
 will follow.

8. Fee Calculation (37 C.F.R. 1.16)

CLAIMS AS FILED					
	Number filed	Number Extra	Rate	Basic Fee	37 C.F.R. 1.16(a)
					<b>\$770.00</b>
<u>Total</u>					
Claims (37 CFR 1.16(c))	55	- 20 =	35	\$ 18.00	\$630.00
<u>Independent</u>					
Claims (37 CFR 1.16(b))	2	- 3 =		\$ 86.00	\$
<u>Multiple dependent claim(s), if any (37 CFR 1.16(d))</u>			+		\$290.00

A Preliminary Amendment canceling claims is enclosed. The filing fee is calculated based on the number of claims remaining after entry of the Preliminary Amendment.  
 Amendment deleting multiple-dependencies is enclosed.  
 Fee for extra claims is not being paid at this time.

Filing Fee Calculation \$1400.00

**9. Fee Payment Being Made at This Time**

Not Enclosed

No filing fee is to be paid at this time.

(This and the surcharge required by 37 C.F.R. 1.16(e) can be paid subsequently.)

Enclosed

Basic filing fee

\$ 1400.00

Recording assignment

(\$40.00; 37 C.F.R. 1.21(h))

(See attached "COVER SHEET FOR ASSIGNMENT  
ACCOMPANYING NEW APPLICATION".)

\$ 40.00

**Total fees enclosed** \$ 1440.00

**10. Method of Payment of Fees**

Checks in the amounts of \$1400.00 and \$40.00

Charge Account No. 50-1798 in the amount of \$ \_\_\_\_\_  
A duplicate of this transmittal is attached.

**11. Authorization to Charge Additional Fees**

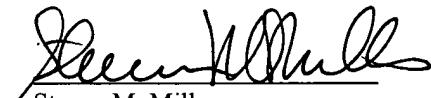
The Commissioner is hereby authorized to charge the following additional fees during the entire pendency of this application to Account No. 50-1798.

37 C.F.R. 1.16(a), (f) or (g) (filing fees)  
 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)  
 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)  
 37 C.F.R. 1.17 (application processing fees)  
 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

**12. Instructions as to Overpayment**

Credit Account No. 50-1798  
 Refund

Respectfully submitted,



Steven M. Mills  
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Attorney for Applicants

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